

-S.S.N 238.-Profile. Rule Length 401-0, Breadth 52-3%, Depth med to Upperd 31-0, Depth med to Bridged 39-0." 7.3.10. Breadth 52.2917
Depth 31.00 Special Deckplan and plan of Tween-Deck-Ballast Tanks 83.2917 Transvers No × 401.00 × 33399.97 Longitudinal No will be submitted. Depth (d) for frames_ Class: Loyds Register 100A1Steel.
Scale = 1 Foot: Sheer: Sternpost & Length from Sternpost I'from Stem_ Frames in way of Tween Deck Tanks 6 Extra web Frames in Tanks Rivets through Frames & Shellplating 5 Diam. Apartin Tween Deck Ball ast Tank. Rivets Through Frames& Shell plating 5 diam apart in Tween-Deck-BallastTank. Frames in way of Tween Deck Tanks 67x3/2x.4 Extra web Frames in Tanks. -Boatdeck Engineer's Accomodatio Boutdeck - Beams 4/2 x3 x 40 4 Officer's - Accomposation Bridge Bulkhead: Coaming Angle 10x 31/2x.40

Plating . 40 Stiffeners [8x3x.64

Proposed 5220x 90x90x13 Boiler-Casing Gatter Poop Bulkhead Plating . 40" Wood-Deck 5.3. Teak. Engine-Casing. Steel deck 40" Coaming Angles 10"x31/2"x. 44" > Stiffeners Angles 6" 31/2" x .38" Pillars 25/8" \$
Provision. Deck angles 3½,3½,40 × Jutercostle Plate .40 × L. Angles 6,4 £.42 Beams [91/2 x 3/2 x 56 Bridgedeck-Beams 67/2:3x.42 Steam-Steering. Gear.

Upperdecte.

Amgle 6/24/2 be Beams 7 7/2 3 2. 42 9 Boxbeam. Pillars 2 % Diam. Trunk-Hatch. In Wells Teak 5"3" Steeldeck 42 for 2 L. to 34 atends L Stores. Deckangles 3½×3½×.44

Intercostleplate .44

Lingles 7×7×.76 Provision.
Pillars 2% + Beams 6 72 3 2. 42" Teckangles 3½ :3½ × 44° Intercostateritating 44° L. Angles 2×7×.76 Deckongles 31/2.31/2.400 Trunk - Hatch.

1. Angles 61/2:41/2...400 Tween-Heck-Bullast-Tank Tween-Heck-Bullast-Tank:

Steel cleck: 36 for 1/2.L. to 30 at enough

Steel cleck: 36 for 1/2.L. to 30 at enough

Beams 6 8 x 3 x 46

Riderplate 145 x 50

Riderplate 145 x 50 Pillars 31/4 Diam. Tween - Deck Balla St Tank. 2 nd-Deck. Steeldeck . 36 for 1/2 L. to . 30 atends 2 2 nd-Heck To to the termination of the ter BOLBTERBERMS.
Stores. Beans 66/2 3x.40 Deckangles 31/2", 31/2"x 50" Intercostleplate .50" Beams [8 x 3 x . 46" Riderplate 14.5 = 50 Deckangles 3/2×3/2×44 Beams in way of Tween-Deck Tank [8×3×50 X Intercostal plate 44 Rider plate 12/2×50 × Washplate. Beams in way of Tween-Deck Tank 6 8 x 3 x . 30"

Deck angles 3'2x 3'2 . 50"

Intercostal Plate

IL Angles 7 x 7 x . 80

Didon's to 14 1/2" 50" Beams 68x3x.46 AL Angles ying iso Riderplate 14.5 .. 30 80 Rider plate 14/2 x 50 Engine-Room Boiler-Room. Shaft -Tunnel. Peak - Touck Pillars See 22 para 12. water Ballast Water-Ballast - Water-Balloust Water Ballast. Inway of Peak-Tank
Rivets through Frames and
Shell plating will be spaced

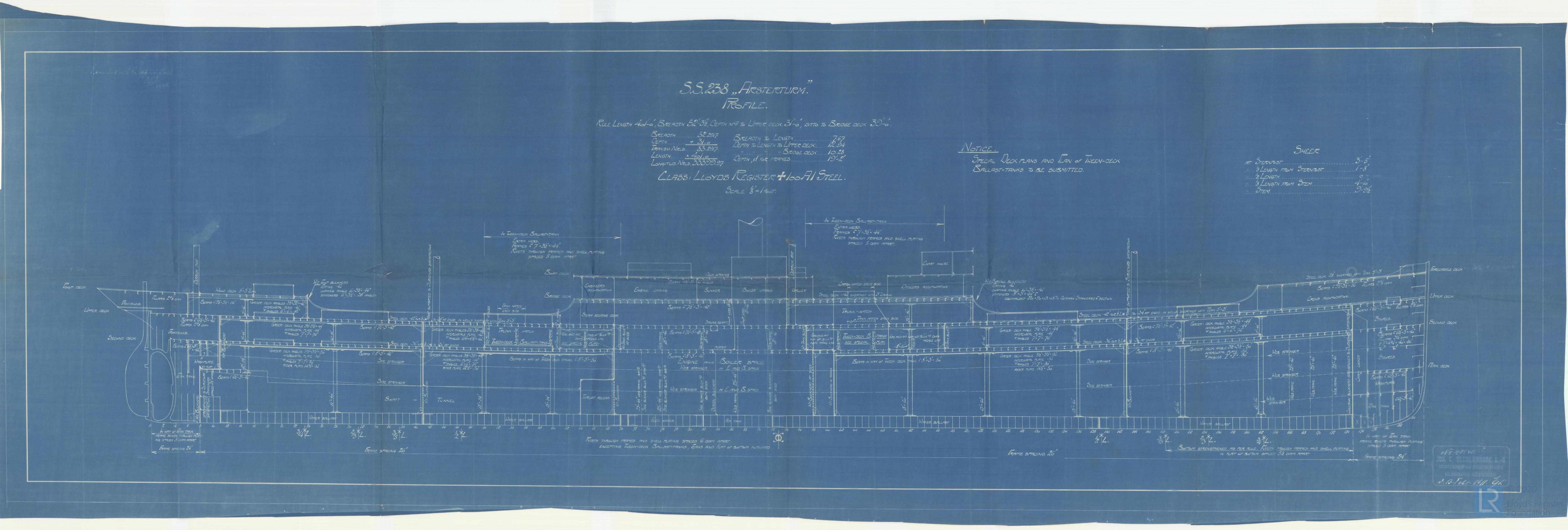
3 diam apart from centre to centre. In way of Peak-Tank Rivets in Plating und Frames will be spaced Rivets through Frames and shell plating 6 Dia Apart,

Except in Tween-Deck Tanks, Peaks & Flat of Bottom for 3/5 L. Ford In way of Frat of Bottom before the 35 h. Rivets in Plating and Frames will be spaced 51/2 Diam. appart.
Bottom will be Strengthened as per Rule. 5 Diameter apart. NJ. 34886. Frame Spacing 26" Frame Spacing * Frame Spacing IOH. G. TECKLENBORG A. 16/2/10. F.L.

W520-0076 Profile as built A-RSTERTURM" Capy on Buth Copy of Dame. Jo But

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S.S.238. Arrangement of Steeldecks, Webframes & Bulkheads. 21.2.10 Scale 1:200 Bridge deck Double - Bottom All corner's of Hatches & Casing to be strengthened with Doubling-Plates as per Rule. Engine-Room Boiler - Room. Hatch-Webs as per Rule. Coal - Bunker

Mishey Sechen

Boatoleok

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Midship-Section. 21. 2. 10 15.6.10 Rule Length 401'0", Breadth 52'312" Depth mt to Upperdeck 31'0" ditto to Bridge deck 39'0" Breadth to Length 7.67 Breadth 52,2917 Depths " to Upperd 12.94 634 × 3"× · 30" Depth 31.0 " " " Bridged 10.28 83.2917 Transverse No Boatdeck Depth(d) for frames 19 22 Length 401.0 21/2×21/2×31 33399.97 Longitudinal No Equipment Under Deck _____ 33399.97 | 3Bower Anchors stockless Collective weight 182 Crots. | 120 Fathoms Steel Towline 5 "Circumf." 12 Casings -- - - - 300. 196 83. | 1 Kedge Anchor " " 9 - 1 - 14 3/4 Deckhouse_____ 147.94 270 Fathoms Stud-chain cable 21/4" diam Numeral 35046 27 90 " 1th obseau chair of 4th deel weres Double Buttstraps where Sheerstrake above . 84" thick. 31/2"× 31/2"× ·36" 63/4 × 3×·35 Bulwark Plate Scale 12"-13 Bridge deck Poop & Forecastle Hatches Bridge 125 8" | Forecastle 5122" Outer Strap 0 0 0 0 Inner Strap Beam Spacing 2 rows 25/8 dia. 2 rows widely sp. 2 rows 25/8 diam. 591/2 × 31/2 × 3 × 56 571/2 × 3 × 42 92 27"× 54 35" × 34 31/2 × 31/2 × 34 31/2 x 31/2 x · 34 5 x 5 x . 60 Gutter " Stl. Dk. 28. wood 5 3" 9"x .34 wood 5:3 Stl. 11k. .40 Side Plating · 40(2 Strakes) · 38 (2 Strake) · 66 (1 strake) Stringer Rivet. Butts double Dalls Jost Dotte double " single " single 31/2 × 31/2 of Side Thickness 4×3×.40 double angles 31/2"x 31/2" . 40" 4x4x36 Upperdeck Upperdeck within Breadth of Bridge Bulkhead Stringer Plate 59" - 52 . 18. Upper Deck from within Bridge to ends 2/3 L 34ft 4" 1/2L 25 ft 9 3 Length of beam | & 51ft 6" from within Bridge 0.33 f 1/2 4 within Bridge . 68 Steel Deck .38 Beam Spacing 26 inches hatch webs spaced as 26 inches 24 inches to: 46 alends Stringer Angle 31/2 x 31/2 x -48 -44 Pillars Two Rows Two Rows One Row required by the rules. 7"x3"x.42"/ Beams 5 61/2×3×.40V 8 to 5 1/4 22 × 42 22 x .42 Hatches Hatch Beams from within Bridge 72 for 1/2 I ditto ditto Length Sides Ends Stringer Plate 59"x . 62 for 1/2 L to 35"x . 44 at ends to 46 at ends within Bridge 64 Stringer Angles 5 x 5 x · 66 to · 48 (under erections 3 1/2 x 3 1/2 x · 48 - · 44) Deck Steel . 42 for 1/2 L to . 34 at ends Teak. 5", 3"in Wells Riveting: Butts of Stringer Plate lapped treble riv. Full Levegth " " Deck Plating double for 1/2 L, Ends single. 12"×.48 · 40 23° 10" 12"× 48 · 40 7 treble 4×3×.40 double angles 31/2×31/2 of Side Thickness 6 to 5 1/4 31/2" 31/2" . 40" 15" > 74 x 4 x · 3/6 2"Deck 3º x 1/2" A double Halfround iron 4x3x.40 double angles. 2/3 L 34 26 3 Ø 51°9" Length of beam Beam Spacing Two Rows Pillars Two Rows Engine & Boiler Space Peaks 171/2 × 3 × 42 [7×3×.42 58×3×.46 Beams'* Rule Bulbangles German Standard Sections 24×.46 Frame Spacing 24x.46 " " Knees [7×3½×·44 57×31/2×44 ditto ditto Frames Hatch Beams 47" × . 48 for 1/2 L to 35" × . 44 ort ends 7 . 44 in way of bridge Webframes 23"x . 44 Stringer Plate 31/2 × 31/2 × .48 for 1/2 L to .44 atends Floors Stringer Angles *Beams in way of Tweendecktanks [8"3".50" Transomplate 45"x . 48 Steel . 36 for 1/2 Lito . 30 at ends 180 × 80 × 11,5 × 11,5 8.482 Proposed German Section [200,5 x86,5 x 13,5 x 12,5 Stern frame 10 1/2" x 7 1/2" and 9" x 7 1/2" (See special plan) Riveting: Butts of Stringer Plate lapped treble riveted full Length 180 × 80 × 11,5 × 11,5 8.482 Moment of Resistance 11.62 inches (Rule 11.36) " Deck Plating double for 1/2 L; Ends single. Rudder as per Tables 22, 23, 24 " " " Bridge Bulkhead Coaming Angle 10" x 31/2" x . 44 Plating . 40 8 × 3 × .46 10.823 200 × 85 × 12 × 12 10.86 Stiffeners [8 x 3 x 64 (proposed [220 x 90 x 13 x 13) 9½ × 3½ × 52 16.68 240 × 95 × 14 × 14 18.12 For Spacing and Dimensions of wide spaced hollow Pillars 5 x 3 1/2 x . 45 Poop Bulkhead Coaming Angle 10" 31/2" . 44 Plating . 40 10 × 31/2× .56 19.479 240,5×96,5×15,5×14,5 19.22 and girders see Longitudinal Plan. Stiffeners Angles 6" 31/2" . 38 11 × 31/2×-52 21.774 260,5×96,5×15,5×14,5 21.799 Stringer in Holds Tunnel Plating . 36 Top Plating under Hatches . 46 Stringer Angles 61/2 x 31/2 x 50 VA Stiffeners angles 31/2 × 31/2 × 48 - 44 52"apart underhatches 36" Webplates in Engine & Boiler Space 23.44 See Profile Intercostalplate . 44 Frames to Webs 31/2 x 31/2 x 44 " " angle 31/2×31/2×.44. Cellular Double Bottom Force Angles to Webs 7 x 31/2 x 64 Riveting of Butts of Outsideplating Ytreble. Stringer Plate 27 x 42 flanged 1/2 L Ends EngineR Boiler Sp Angles 1/2 Lamidships Ends Boiler Sp. Plating Keel plate double Straps treble riveted, Ends quadrupleglapped. " " Buttstraps 48" x 7" x . 56" Centre girder Top 342x 342x .50 Centre Girder Sheerstrake where above . 84 double straps treble riveted. Remainder Intercostal Angles 31/2 x 31/2 x . 44 Side Girders 39 99 " Bottom 4/2 x 4/2 x · 60 . 54 of Shellplating quadruple lapped for 1/2 4, treble atends. 6" × 6" × . 46 31/2×31/2×38 6 × 6 × 50 Bridge Sideplating double Straps treble riveted Brackets at Margin Pl. Side girders Top 3/2 x 3/2 x 40 Poop and Forecastle double riveted buttlaps Margin Plate " " " Bottom 31/2 x 31/2x . 40 Vertical 3 x 3 x 40 38 36 50 bracket on alternale 5×342×-45 double Riveting of Landing edges Margin Plate " " 6 × 6 × 46 31/2×31/2:38 6 × 6× 50 Middleline Strake 43.50 Sheer strake treble lapped where above 24 thickness " Bottom angle 4 x 4 x .48 labaft Eng.R Side Strakes .40 .36 .48 frames. All other landing edges double riveted Riveting: Butts of Centre girder, Marginplate and Middle Frames 31/2 × 31/2 × 40 -38.36 Poop & Forecastle " " Single riveted line strake treble lapped full length, butts of Tanklop treble, lapped in Reverse frames 342 x 31/2 x 40 -38 -36 Rivet spacing in frames 6 inches diam. Engine & Boiler Space! Double lapped in Holds for 1/2 4, single at ends. Double frames on Tankfloors forward of 3/5 4 am. Edges of Middle line strake double full length " " Tanktop double in E& B.spaces, single in Holds." Double reverse frames in Engine Space and under Boiler bearers . Gussets to alternate frames Rise of Tanktop 3" 5 × 5 × ·52 E ·64 for 12 L 251/2×173/4 25 1/2 × 17 3/4 to 48 alends 251/2×17 3/4 25 1/2×17 3/4

47 x 1.00 for 3/5 Li am to . 70 at ends

Plating attached to Propeller Post of midship thickness

Boss Plates . 74

-60 for 1/2 Li, 60 at foreend, 48 at after end 514

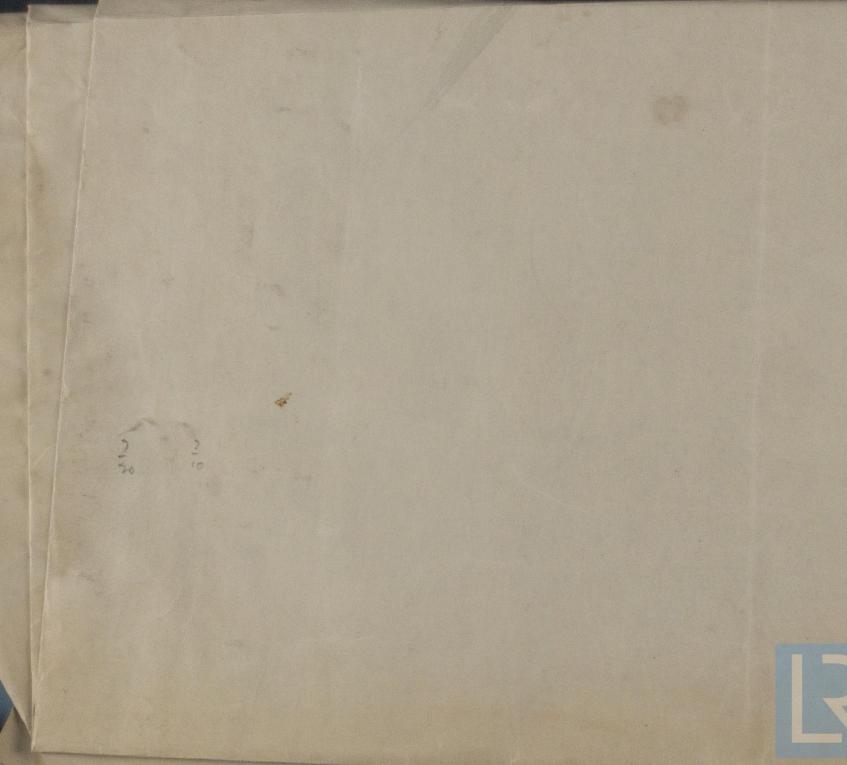
64 for 1/2 4

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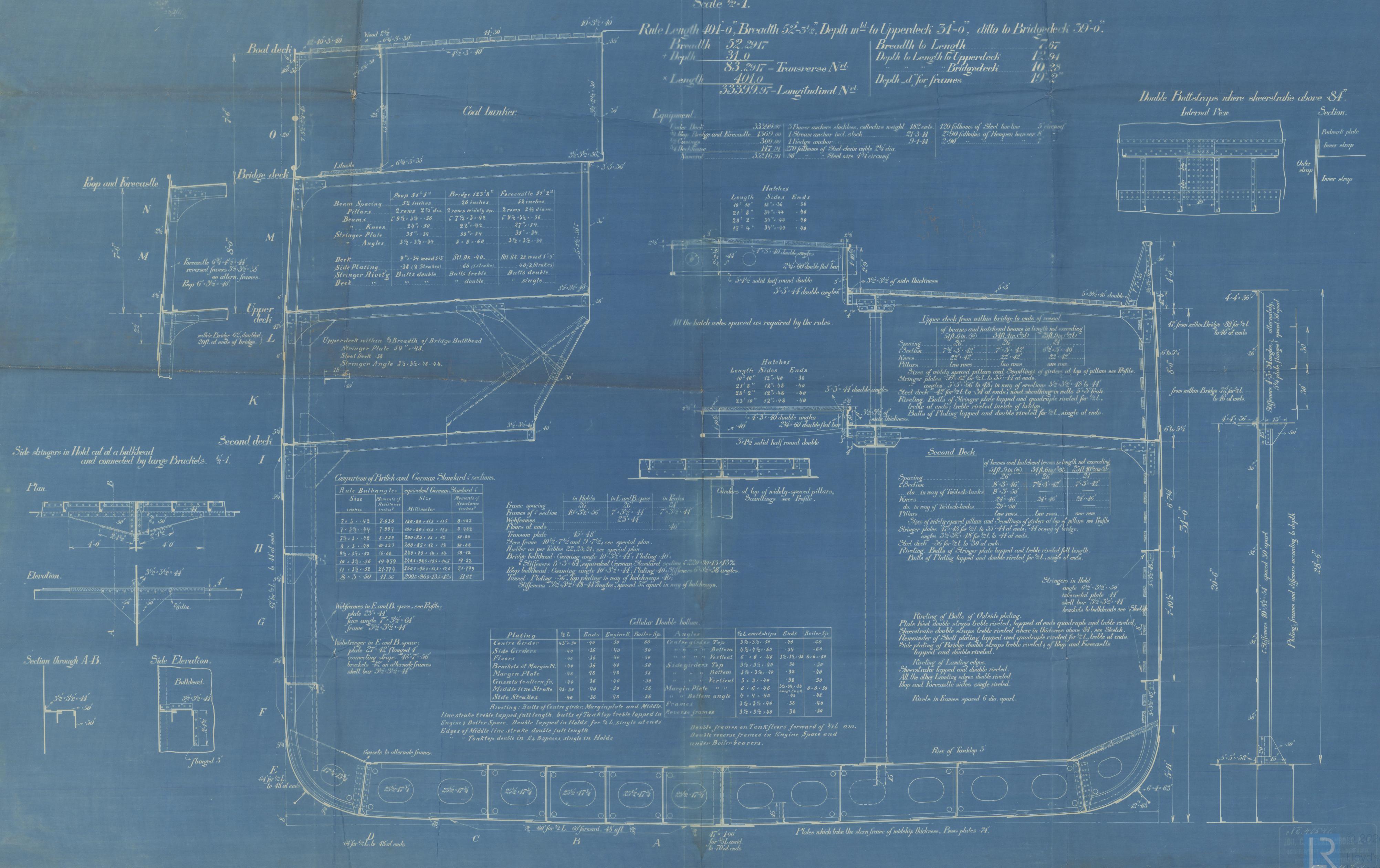
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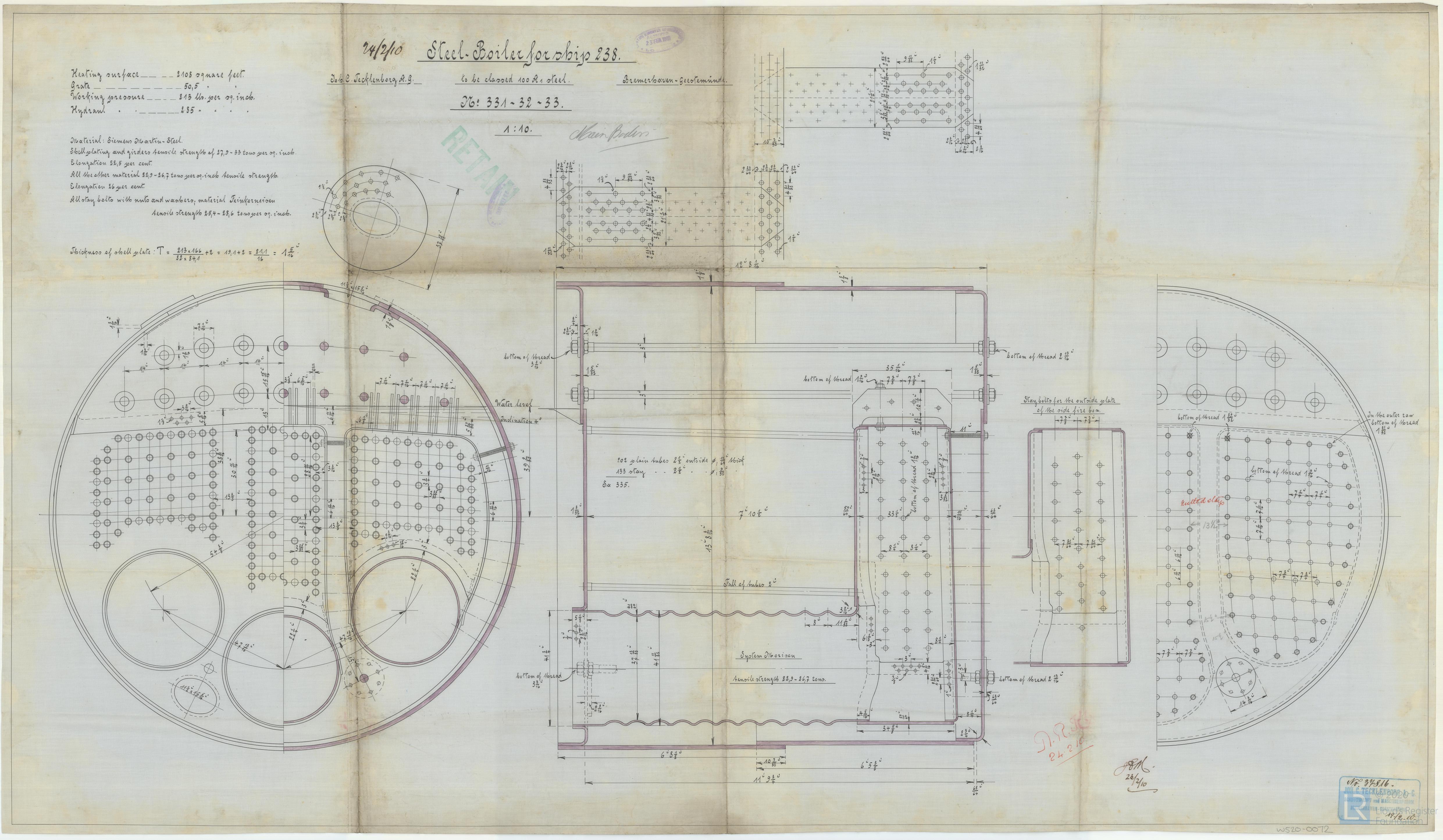


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S.S.238 "Arsterturm". Midship-Section.

Scale 1/2-1.





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